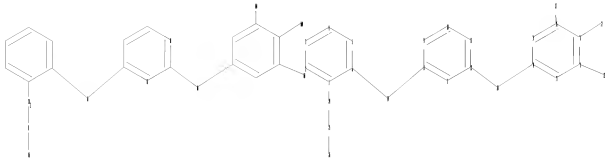
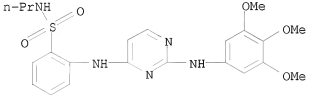
```
Connecting via Winsock to STN



Welcome to STN International!  Enter x:X

LOGINID:ssptacrs1614

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 12:52:43 ON 22 JAN 2008
FILE 'CAPLUS' ENTERED AT 12:52:43 ON 22 JAN 2008
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      11.35     259.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -1.60      -1.60

=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      11.35     259.57

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -1.60      -1.60

FILE 'REGISTRY' ENTERED AT 12:52:56 ON 22 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   21 JAN 2008  HIGHEST RN 1000370-19-3
DICTIONARY FILE UPDATES:  21 JAN 2008  HIGHEST RN 1000370-19-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10571733.str
```



```
chain nodes :
19  20  21  22  23  24  25  26
ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18
chain bonds :
1-24  6-19  8-19  12-20  14-20  16-21  17-22  18-23  24-25  25-26
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12  13-14  13-18
14-15  15-16  16-17  17-18
exact/norm bonds :
6-19  8-19  12-20  14-20  24-25  25-26
exact bonds :
1-24  16-21  17-22  18-23
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12  13-14  13-18
14-15  15-16  16-17  17-18


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:Atom  16:Atom  17:Atom  18:Atom  19:CLASS
20:CLASS  21:CLASS  22:CLASS  23:CLASS  24:CLASS  25:CLASS  26:CLASS



L5      STRUCTURE UPLOADED

=> l5 sss ful
L5 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l5 sss ful
FULL SEARCH INITIATED 12:53:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       66 TO ITERATE

100.0% PROCESSED       66 ITERATIONS                                5 ANSWERS
SEARCH TIME: 00.00.01

L6            5 SEA SSS FUL L5
```

=> d l6 1-6

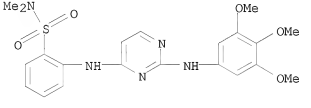
L6 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 848468-37-1 REGISTRY
ED Entered STN: 14 Apr 2005
CN Benzenesulfonamide, N-propyl-2-[[2-[(3,4,5-trimethoxyphenyl)amino]-4-
    pyrimidinyl]amino]- (CA INDEX NAME)
MF C22 H27 N5 O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

              1 REFERENCES IN FILE CA (1907 TO DATE)
              1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

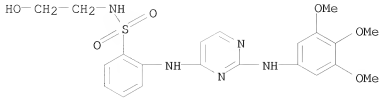
L6 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 848468-35-9 REGISTRY
ED Entered STN: 14 Apr 2005
CN Benzenesulfonamide, N,N-dimethyl-2-[[2-[(3,4,5-trimethoxyphenyl)amino]-4-
    pyrimidinyl]amino]- (CA INDEX NAME)
MF C21 H25 N5 O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

              1 REFERENCES IN FILE CA (1907 TO DATE)
              1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

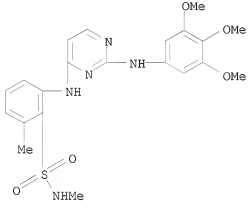
L6 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 848468-34-8 REGISTRY
ED Entered STN: 14 Apr 2005
CN Benzenesulfonamide, N-(2-hydroxyethyl)-2-[[2-[(3,4,5-
    trimethoxyphenyl)amino]-4-pyrimidinyl]amino]- (CA INDEX NAME)
MF C21 H25 N5 O6 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

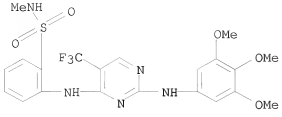
L6 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 604802-45-1 REGISTRY
ED Entered STN: 15 Oct 2003
CN Benzenesulfonamide, N,2-dimethyl-6-[[2-[(3,4,5-trimethoxyphenyl)amino]-4-pyrimidinyl]amino]- (CA INDEX NAME)
MF C21 H25 N5 O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2008 ACS on STN
RN 604802-41-7 REGISTRY
ED Entered STN: 15 Oct 2003
CN Benzenesulfonamide, N-methyl-2-[[5-(trifluoromethyl)-2-[(3,4,5-trimethoxyphenyl)amino]-4-pyrimidinyl]amino]- (CA INDEX NAME)
MF C21 H22 F3 N5 O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	188.82	448.39
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.60

FILE 'CAPLUS' ENTERED AT 12:53:50 ON 22 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 22 Jan 2008 VOL 148 ISS 4
FILE LAST UPDATED: 21 Jan 2008 (20080121/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l6
L7 2 L6

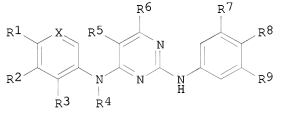
=> d l7 ibib abs 1-2

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:260035 CAPLUS
DOCUMENT NUMBER: 142:336377
TITLE: Preparation of 2,4-di(phenylamino)pyrimidines useful in the treatment of proliferative disorders
INVENTOR(S): Imbach, Patricia; Roesel, Johannes

PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis Pharma GmbH
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005026130	A1	20050324	WO 2004-EP10466	20040917
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004272288	A1	20050324	AU 2004-272288	20040917
CA 2538413	A1	20050324	CA 2004-2538413	20040917
EP 1663992	A1	20060607	EP 2004-765358	20040917
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1852900	A	20061025	CN 2004-80026942	20040917
BR 2004014544	A	20061107	BR 2004-14544	20040917
JP 2007505858	T	20070315	JP 2006-526595	20040917
US 2007105839	A1	20070510	US 2006-571733	20060314
IN 2006CN00922	A	20070615	IN 2006-CN922	20060316
MX 2006PA03054	A	20060531	MX 2006-PA3054	20060317
PRIORITY APPLN. INFO.:			US 2003-504374P P	20030918
			WO 2004-EP10466 W	20040917

OTHER SOURCE(S): CASREACT 142:336377; MARPAT 142:336377
GI



I

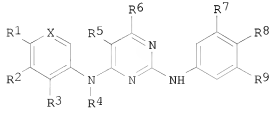
AB The title compds. I [X = CR0, N; R0, R1-R4 = H, OH, alkyl, etc.; or R3 and R4 form together with the nitrogen and carbon atoms to which they are attached a 5-10 membered heterocyclic ring and comprising addnl. 1-3 heteroatoms selected from N, O and S; or R1-R3 = halo, haloalkyl, alkoxy, etc.; or R1 and R2 form aryl or 5-10 membered heteroaryl; R5, R6 = H, halo, CN, alkyl, etc.; R7-R9 = H, OH, alkyl, etc.], useful for preventing or treating proliferative disorders such as a tumor disease, by inhibiting ALK activity, were prepared E.g., a 2-step synthesis of 2-[2-(1H-indazol-6-ylamino)-pyrimidin-4-ylamino]benzenesulfonamide, starting from 2-aminobenzenesulfonamide and 2,4-dichloropyrimidine, was given. The compds. I were tested for inhibition of ALK tyrosine kinase in various cellular assays (data were given for representative compds. I).

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:757684 CAPLUS
DOCUMENT NUMBER: 139:292258
TITLE: Pyrimidine derivatives
INVENTOR(S): Baenteli, Rolf; Zenke, Gerhard; Cooke, Nigel Graham; Duthaler, Rudolf; Thoma, Gebhard; Von Matt, Anette; Honda, Toshiyuki; Matsuura, Naoko; Nonomura, Kazuhiko; Ohmori, Osamu; Umemura, Ichiro; Hinterding, Klaus; Papageorgiou, Christos
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003078404	A1	20030925	WO 2003-EP2710	20030314
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SE, SG, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW				
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
CA 2479133	A1	20030925	CA 2003-2479133	20030314
AU 2003227070	A1	20030929	AU 2003-227070	20030314
AU 2003227070	B2	20070201		
EP 1487805	A1	20041222	EP 2003-744366	20030314
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003008461	A	20050118	BR 2003-8461	20030314
JP 2005527529	T	20050915	JP 2003-576410	20030314
CN 1697830	A	20051116	CN 2003-806101	20030314
NZ 535109	A	20060526	NZ 2003-535109	20030314
IN 2004CN02025	A	20060224	IN 2004-CN2025	20040910
MX 2004PA09058	A	20050125	MX 2004-PA9058	20040915
NO 2004004374	A	20041014	NO 2004-4374	20041014
US 2006100227	A1	20060511	US 2005-507060	20050613
ZA 200406709	A	20060531	ZA 2004-6709	20060330
PRIORITY APPLN. INFO.:			GB 2002-6215 A	20020315
			WO 2003-EP2710 W	20030314

OTHER SOURCE(S): MARPAT 139:292258
GI



I

```
AB   The pyrimidine derivs. (I) are claimed, wherein X = =CR or =N, R, R1, R2,
     R3, R4 independently is H, OH, C1-8alkyl, C2-8alkenyl, C3-8cycloalkyl,
     C3-8cycloalkyl-C1-8alkyl, hydroxyC1-8alkyl, C1-8alkoxyC1-8alkyl,
     hydroxyC1-8alkoxyC1-8alkyl, arylC1-8alkyl which optionally may be
     substituted on the ring by OH, C1-8alkoxy, carboxy, C1-8alkoxycarbonyl or
     R3 and R4 form together with N and C atoms to which they are attached to a
     5-10 membered heterocyclic ring containing 1, 2 or 3 heteroatoms of N, O or S;
     R1 and R2 form together with C atoms to which they are attached aryl of
     5-10 membered heteroaryl moiety containing 1-2 heteroatoms of N, O, S; R and
     R6 independently is H, halo, CN, C1-8alkyl, haloC1-8alkyl, C2-8alkenyl,
     C2-8alkynyl, C3-8cycloalkyl, C3-8cycloalkylC1-8alkyl, C5-10arylC1-8alkyl,;
     R7, R8 and R9 is independently H, OH, C1-8alkyl, C2-8alkenyl,
     haloC1-8alkyl, C1-8alkoxy, C3-8cycloalkyl, C3-8cycloalkylC1-8,
     arylC1-8alkyl. disorders where ZAP-70 and/or Syk inhibition plays a role
     or caused by a malfunction of signal cascades connected with FAK.  I are
     useful in disorders where ZAP-70 and/or Syk inhibition plays a role or
     caused by a malfunction of signal cascades connected with FAK.
     Pharmaceutical compns. containing I are claimed.
REFERENCE COUNT:         9      THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d his

     (FILE 'HOME' ENTERED AT 11:53:56 ON 22 JAN 2008)

     FILE 'REGISTRY' ENTERED AT 11:54:20 ON 22 JAN 2008
L1               STRUCTURE UPLOADED
L2            0 S L1 FAM FUL
L3            5 S L1 SSS FUL

     FILE 'CAPLUS' ENTERED AT 11:55:10 ON 22 JAN 2008
L4            2 S L3

     FILE 'REGISTRY' ENTERED AT 12:52:56 ON 22 JAN 2008
L5               STRUCTURE UPLOADED
L6            5 S L5 SSS FUL

     FILE 'CAPLUS' ENTERED AT 12:53:50 ON 22 JAN 2008
L7            2 S L6

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY     SESSION
FULL ESTIMATED COST                                    8.22      456.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY     SESSION
CA SUBSCRIBER PRICE                                   -1.60       -3.20

STN INTERNATIONAL LOGOFF AT 12:56:45 ON 22 JAN 2008


Connecting via Winsock to STN
```

```
Welcome to STN International!  Enter x:X

LOGINID:ssptacrs1614

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1          Web Page for STN Seminar Schedule - N. America
 NEWS  2  AUG 10  Time limit for inactive STN sessions doubles to 40
                  minutes
 NEWS  3  AUG 18  COMPENDEX indexing changed for the Corporate Source
                  (CS) field
 NEWS  4  AUG 24  ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
 NEWS  5  AUG 24  CA/CAplus enhanced with legal status information for
                  U.S. patents
 NEWS  6  SEP 09  50 Millionth Unique Chemical Substance Recorded in
                  CAS REGISTRY
 NEWS  7  SEP 11  WPIDS, WPINDEX, and WPIX now include Japanese FTERM
                  thesaurus
 NEWS  8  OCT 21  Derwent World Patents Index Coverage of Indian and
                  Taiwanese Content Expanded
 NEWS  9  OCT 21  Derwent World Patents Index enhanced with human
                  translated claims for Chinese Applications and
                  Utility Models
 NEWS 10  OCT 27  Free display of legal status information in CA/CAplus,
                  USPATFULL, and USPAT2 in the month of November.

 NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
              AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN     Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN customer
  agreement.  This agreement limits use to scientific research.  Use
  for software development or design, implementation of commercial
  gateways, or use of CAS and STN data in the building of commercial
  products is prohibited and may result in loss of user privileges
  and other penalties.

* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 09:50:17 ON 17 NOV 2009

=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.22       0.22

FILE 'REGISTRY' ENTERED AT 09:50:37 ON 17 NOV 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.
```

STRUCTURE FILE UPDATES: 15 NOV 2009 HIGHEST RN 1192409-16-7
DICTIONARY FILE UPDATES: 15 NOV 2009 HIGHEST RN 1192409-16-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

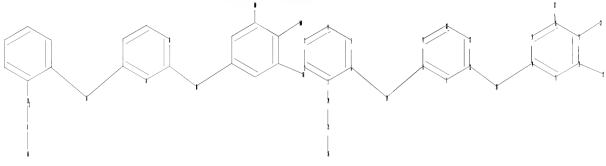
TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10571733.str

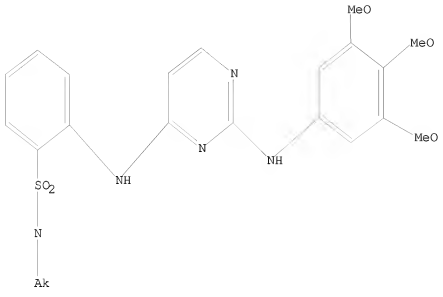


chain nodes :
19 20 21 22 23 24 25 26
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
1-24 6-19 8-19 12-20 14-20 16-21 17-22 18-23 24-25 25-26
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18
exact/norm bonds :
6-19 8-19 12-20 14-20 24-25 25-26
exact bonds :
1-24 16-21 17-22 18-23
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 fam ful
STRUCTURES CONTAINING VARIABLE NODES NOT VALID IN EXACT OR FAMILY SEARCH
You have requested a full structure (EXA or FAM) search on a
structure containing one of the special variable-atom symbols
A, M, Q, or X, or a variable group G. Only bond variability
is allowed in structures for EXA or FAM searches. Variable
nodes are never permitted.

=> s l1 sss ful
FULL SEARCH INITIATED 09:51:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 86 TO ITERATE

100.0% PROCESSED 86 ITERATIONS 8 ANSWERS
SEARCH TIME: 00.00.01

L2 8 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 186.36 186.58

FILE 'CAPLUS' ENTERED AT 09:51:42 ON 17 NOV 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 17 Nov 2009 VOL 151 ISS 21
FILE LAST UPDATED: 16 Nov 2009 (20091116/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

During November, try the new LSUS format of legal status information
in the CA/CAplus family databases for free! Complete details on the
number of free displays and other databases participating in this
offer appear in NEWS 10.

=> s l2
L3 2 L2

=> d l3 ibib abs 1-2

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:260035 CAPLUS
DOCUMENT NUMBER: 142:336377
TITLE: Preparation of 2,4-di(phenylamino)pyrimidines useful in the treatment of proliferative disorders
INVENTOR(S): Imbach, Patricia; Roesel, Johannes
PATENT ASSIGNEE(S): Novartis AG, Switz.; Novartis Pharma GmbH
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

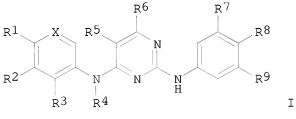
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005026130	A1	20050324	WO 2004-EP10466	20040917
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,				

SN, TD, TG

AU 2004272288	A1	20050324	AU 2004-272288		20040917
AU 2004272288	B2	20081113			
CA 2538413	A1	20050324	CA 2004-2538413		20040917
EP 1663992	A1	20060607	EP 2004-765358		20040917
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK					
CN 1852900	A	20061025	CN 2004-80026942		20040917
BR 2004014544	A	20061107	BR 2004-14544		20040917
JP 2007505858	T	20070315	JP 2006-526595		20040917
US 20070105839	A1	20070510	US 2006-571733		20060314
IN 2006CN00922	A	20070615	IN 2006-CN922		20060316
MX 2006003054	A	20060531	MX 2006-3054		20060317
PRIORITY APPLN. INFO.:			US 2003-504374P	P	20030918
			WO 2004-EP10466	W	20040917

OTHER SOURCE(S): CASREACT 142:336377; MARPAT 142:336377

GI



I

AB The title compds. I [X = CR0, N; R0, R1-R4 = H, OH, alkyl, etc.; or R3 and R4 form together with the nitrogen and carbon atoms to which they are attached a 5-10 membered heterocyclic ring and comprising addnl. 1-3 heteroatoms selected from N, O and S; or R1-R3 = halo, haloalkyl, alkoxy, etc.; or R1 and R2 form aryl or 5-10 membered heteroaryl; R5, R6 = H, halo, CN, alkyl, etc.; R7-R9 = H, OH, alkyl, etc.], useful for preventing or treating proliferative disorders such as a tumor disease, by inhibiting ALK activity, were prepared E.g., a 2-step synthesis of 2-[2-(1H-indazol-6-ylamino)-pyrimidin-4-ylamino]benzenesulfonamide, starting from 2-aminobenzenesulfonamide and 2,4-dichloropyrimidine, was given. The compds. I were tested for inhibition of ALK tyrosine kinase in various cellular assays (data were given for representative compds. I).

OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN

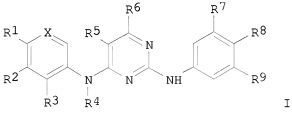
ACCESSION NUMBER:	2003:757684 CAPLUS
DOCUMENT NUMBER:	139:292258
TITLE:	Pyrimidine derivatives
INVENTOR(S):	Baenteli, Rolf; Zenke, Gerhard; Cooke, Nigel Graham; Duthaler, Rudolf; Thoma, Gebhard; Von Matt, Anette; Honda, Toshiyuki; Matsuura, Naoko; Nonomura, Kazuhiko; Ohmori, Osamu; Umemura, Ichiro; Hinterding, Klaus; Papageorgiou, Christos
PATENT ASSIGNEE(S):	Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SOURCE:	PCT Int. Appl., 45 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003078404	A1	20030925	WO 2003-EP2710	20030314
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SE, SG, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW				
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
CA 2479133	A1	20030925	CA 2003-2479133	20030314
AU 2003227070	A1	20030929	AU 2003-227070	20030314
AU 2003227070	B2	20070201		
EP 1487805	A1	20041222	EP 2003-744366	20030314
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003008461	A	20050118	BR 2003-8461	20030314
JP 2005527529	T	20050915	JP 2003-576410	20030314
JP 4362377	B2	20091111		
CN 1697830	A	20051116	CN 2003-806101	20030314
NZ 535109	A	20060526	NZ 2003-535109	20030314
RU 2324684	C2	20080520	RU 2004-130488	20030314
IN 2004CN02025	A	20060224	IN 2004-CN2025	20040910
MX 2004009058	A	20050125	MX 2004-9058	20040915
NO 2004004374	A	20041014	NO 2004-4374	20041014
US 20060100227	A1	20060511	US 2005-507060	20050613
ZA 2004006709	A	20060531	ZA 2004-6709	20060330
PRIORITY APPLN. INFO.:			GB 2002-6215 A	20020315
			WO 2003-EP2710 W	20030314

OTHER SOURCE(S): MARPAT 139:292258

GI

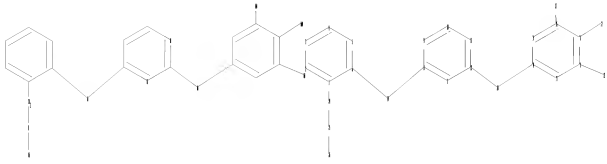


I

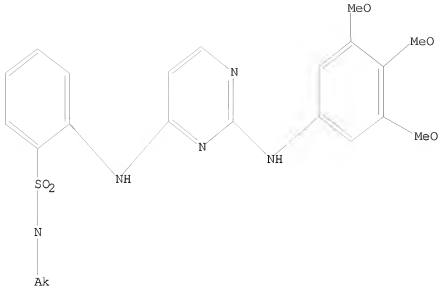
AB The pyrimidine derivs. (I) are claimed, wherein X = =CR or =N, R, R1, R2, R3, R4 independently is H, OH, C1-8alkyl, C2-8alkenyl, C3-8cycloalkyl, C3-8cycloalkyl-C1-8alkyl, hydroxyC1-8alkyl, C1-8alkoxyC1-8alkyl, hydroxyC1-8alkoxyC1-8alkyl, arylC1-8alkyl which optionally may be substituted on the ring by OH, C1-8alkoxy, carboxy, C1-8alkoxycarbonyl or R3 and R4 form together with N and C atoms to which they are attached to a 5-10 membered heterocyclic ring containing 1, 2 or 3 heteroatoms of N, O or S; R1 and R2 form together with C atoms to which they are attached aryl of 5-10 membered heteroaryl moiety containing 1-2 heteroatoms of N, O, S; R and R6 independently is H, halo, CN, C1-8alkyl, haloC1-8alkyl, C2-8alkenyl, C2-8alkynyl, C3-8cycloalkyl, C3-8cycloalkylC1-8alkyl, C5-10arylC1-8alkyl,; R7, R8 and R9 is independently H, OH, C1-8alkyl, C2-8alkenyl, haloC1-8alkyl, C1-8alkoxy, C3-8cycloalkyl, C3-8cycloalkylC1-8, arylC1-8alkyl. disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK. I are

```
     useful in disorders where ZAP-70 and/or Syk inhibition plays a role or
     caused by a malfunction of signal cascades connected with FAK.
     Pharmaceutical compns. containing I are claimed.
OS.CITING REF COUNT:      22    THERE ARE 22 CAPLUS RECORDS THAT CITE THIS
                                RECORD (22 CITINGS)
REFERENCE COUNT:           9    THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       6.50     193.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -1.64      -1.64

STN INTERNATIONAL LOGOFF AT 09:52:02 ON 17 NOV 2009


Connecting via Winsock to STN



Welcome to STN International!  Enter x:X

LOGINID:ssptacrs1614

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1           Web Page for STN Seminar Schedule - N. America
 NEWS  2  JAN 12   Match STN Content and Features to Your Information
                   Needs, Quickly and Conveniently
 NEWS  3  JAN 25   Annual Reload of MEDLINE database
 NEWS  4  FEB 16   STN Express Maintenance Release, Version 8.4.2, Is
                   Now Available for Download
 NEWS  5  FEB 16   Derwent World Patents Index (DWPI) Revises Indexing
                   of Author Abstracts
 NEWS  6  FEB 16   New FASTA Display Formats Added to USGENE and PCTGEN
 NEWS  7  FEB 16   INPADOCDB and INPAFAMDB Enriched with New Content
                   and Features
 NEWS  8  FEB 16   INSPEC Adding Its Own IPC codes and Author's E-mail
                   Addresses
 NEWS  9  APR 02   CAS Registry Number Crossover Limits Increased to
                   500,000 in Key STN Databases
 NEWS 10  APR 02   PATDPAFULL: Application and priority number formats
                   enhanced
 NEWS 11  APR 02   DWPI: New display format ALLSTR available
 NEWS 12  APR 02   New Thesaurus Added to Derwent Databases for Smooth
                   Sailing through U.S. Patent Codes
 NEWS 13  APR 02   EMBASE Adds Unique Records from MEDLINE, Expanding
                   Coverage back to 1948
 NEWS 14  APR 07   CA/CAplus CLASS Display Streamlined with Removal of
```

```
                  Pre-IPC 8 Data Fields
 NEWS 15  APR 07  50,000 World Traditional Medicine (WTM) Patents Now
                  Available in CAplus
 NEWS 16  APR 07  MEDLINE Coverage Is Extended Back to 1947

 NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
              AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN     Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN customer
  agreement.  This agreement limits use to scientific research.  Use
  for software development or design, implementation of commercial
  gateways, or use of CAS and STN data in the building of commercial
  products is prohibited and may result in loss of user privileges
  and other penalties.

* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:31:30 ON 12 MAY 2010

=> file registry
COST IN U.S. DOLLARS                                 SINCE FILE      TOTAL
                                                        ENTRY     SESSION
FULL ESTIMATED COST                                       0.22        0.22

FILE 'REGISTRY' ENTERED AT 10:31:57 ON 12 MAY 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2010 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   11 MAY 2010  HIGHEST RN 1222257-16-0
DICTIONARY FILE UPDATES:  11 MAY 2010  HIGHEST RN 1222257-16-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10571733.str
```



```
chain nodes :
19  20  21  22  23  24  25  26
ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18
chain bonds :
1-24  6-19  8-19  12-20  14-20  16-21  17-22  18-23  24-25  25-26
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12  13-14  13-18
14-15  15-16  16-17  17-18
exact/norm bonds :
6-19  8-19  12-20  14-20  24-25  25-26
exact bonds :
1-24  16-21  17-22  18-23
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  7-8  7-12  8-9  9-10  10-11  11-12  13-14  13-18
14-15  15-16  16-17  17-18


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:Atom  16:Atom  17:Atom  18:Atom  19:CLASS
20:CLASS  21:CLASS  22:CLASS  23:CLASS  24:CLASS  25:CLASS  26:CLASS



L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR
```



Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 fam ful
STRUCTURES CONTAINING VARIABLE NODES NOT VALID IN EXACT OR FAMILY SEARCH
You have requested a full structure (EXA or FAM) search on a
structure containing one of the special variable-atom symbols
A, M, Q, or X, or a variable group G.  Only bond variability
is allowed in structures for EXA or FAM searches.  Variable
nodes are never permitted.

=> s l1 sss ful
FULL SEARCH INITIATED 10:32:37 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       86 TO ITERATE

100.0% PROCESSED       86 ITERATIONS                                 8 ANSWERS
SEARCH TIME: 00.00.01

L2             8 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   191.54     191.76

FILE 'CAPLUS' ENTERED AT 10:32:42 ON 12 MAY 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)
```

FILE COVERS 1907 - 12 May 2010 VOL 152 ISS 20
FILE LAST UPDATED: 11 May 2010 (20100511/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2010

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2010.

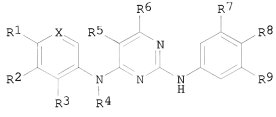
This file contains CAS Registry Numbers for easy and accurate
substance identification.

```
=> s l2
L3           2 L2

=> d l3 ibib abs 1-2

L3   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER:         2005:260035  CAPLUS
DOCUMENT NUMBER:          142:336377
TITLE:                    Preparation of 2,4-di(phenylamino)pyrimidines useful
                          in the treatment of proliferative disorders
INVENTOR(S):              Imbach, Patricia; Roesel, Johannes
PATENT ASSIGNEE(S):       Novartis AG, Switz.; Novartis Pharma GmbH
SOURCE:                   PCT Int. Appl., 39 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     --------------      ----   --------    -------------------    --------
     WO 2005026130        A1    20050324    WO 2004-EP10466        20040917
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
     AU 2004272288        A1    20050324    AU 2004-272288         20040917
     AU 2004272288        B2    20081113
     CA 2538413           A1    20050324    CA 2004-2538413        20040917
     EP 1663992           A1    20060607    EP 2004-765358         20040917
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK
     CN 1852900           A     20061025    CN 2004-80026942       20040917
     BR 2004014544        A     20061107    BR 2004-14544          20040917
     JP 2007505858        T     20070315    JP 2006-526595         20040917
     US 20070105839       A1    20070510    US 2006-571733         20060314
     IN 2006CN00922       A     20070615    IN 2006-CN922          20060316
```

MX 2006003054	A	20060531	MX 2006-3054		20060317
PRIORITY APPLN. INFO.:			US 2003-504374P	P	20030918
			WO 2004-EP10466	W	20040917

OTHER SOURCE(S): CASREACT 142:336377; MARPAT 142:336377

GI



I

AB The title compds. I [X = CR0, N; R0, R1-R4 = H, OH, alkyl, etc.; or R3 and R4 form together with the nitrogen and carbon atoms to which they are attached a 5-10 membered heterocyclic ring and comprising addnl. 1-3 heteroatoms selected from N, O and S; or R1-R3 = halo, haloalkyl, alkoxy, etc.; or R1 and R2 form aryl or 5-10 membered heteroaryl; R5, R6 = H, halo, CN, alkyl, etc.; R7-R9 = H, OH, alkyl, etc.], useful for preventing or treating proliferative disorders such as a tumor disease, by inhibiting ALK activity, were prepared E.g., a 2-step synthesis of 2-[2-(1H-indazol-6-ylamino)-pyrimidin-4-ylamino]benzenesulfonamide, starting from 2-aminobenzenesulfonamide and 2,4-dichloropyrimidine, was given. The compds. I were tested for inhibition of ALK tyrosine kinase in various cellular assays (data were given for representative compds. I).

OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER:	2003:757684 CAPLUS
DOCUMENT NUMBER:	139:292258
TITLE:	Pyrimidine derivatives
INVENTOR(S):	Baenteli, Rolf; Zenke, Gerhard; Cooke, Nigel Graham; Duthaler, Rudolf; Thoma, Gebhard; Von Matt, Anette; Honda, Toshiyuki; Matsuura, Naoko; Nonomura, Kazuhiko; Ohmori, Osamu; Umemura, Ichiro; Hinterding, Klaus; Papageorgiou, Christos
PATENT ASSIGNEE(S):	Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SOURCE:	PCT Int. Appl., 45 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1

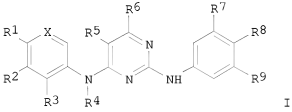
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003078404	A1	20030925	WO 2003-EP2710	20030314
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LI, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SE, SG, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW				
RW:	AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,				

SI, SK, TR

CA 2479133	A1	20030925	CA 2003-2479133		20030314
AU 2003227070	A1	20030929	AU 2003-227070		20030314
AU 2003227070	B2	20070201			
EP 1487805	A1	20041222	EP 2003-744366		20030314
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
BR 2003008461	A	20050118	BR 2003-8461		20030314
JP 2005527529	T	20050915	JP 2003-576410		20030314
JP 4362377	B2	20091111			
CN 1697830	A	20051116	CN 2003-806101		20030314
NZ 535109	A	20060526	NZ 2003-535109		20030314
RU 2324684	C2	20080520	RU 2004-130488		20030314
IN 2004CN02025	A	20060224	IN 2004-CN2025		20040910
IN 226374	A1	20090109			
MX 2004009058	A	20050125	MX 2004-9058		20040915
NO 2004004374	A	20041014	NO 2004-4374		20041014
US 20060100227	A1	20060511	US 2005-507060		20050613
ZA 2004006709	A	20060531	ZA 2004-6709		20060330
PRIORITY APPLN. INFO.:			GB 2002-6215	A	20020315
			WO 2003-EP2710	W	20030314

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 139:292258
GI



I

AB The pyrimidine derivs. (I) are claimed, wherein X = =CR or =N, R, R1, R2, R3, R4 independently is H, OH, C1-8alkyl, C2-8alkenyl, C3-8cycloalkyl, C3-8cycloalkyl-C1-8alkyl, hydroxyC1-8alkyl, C1-8alkoxyC1-8alkyl, hydroxyC1-8alkoxyC1-8alkyl, arylC1-8alkyl which optionally may be substituted on the ring by OH, C1-8alkoxy, carboxy, C1-8alkoxycarbonyl or R3 and R4 form together with N and C atoms to which they are attached to a 5-10 membered heterocyclic ring containing 1, 2 or 3 heteroatoms of N, O or S; R1 and R2 form together with C atoms to which they are attached aryl of 5-10 membered heteroaryl moiety containing 1-2 heteroatoms of N, O, S; R and R6 independently is H, halo, CN, C1-8alkyl, haloC1-8alkyl, C2-8alkenyl, C2-8alkynyl, C3-8cycloalkyl, C3-8cycloalkylC1-8alkyl, C5-10arylC1-8alkyl,; R7, R8 and R9 is independently H, OH, C1-8alkyl, C2-8alkenyl, haloC1-8alkyl, C1-8alkoxy, C3-8cycloalkyl, C3-8cycloalkylC1-8, arylC1-8alkyl. disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK. I are useful in disorders where ZAP-70 and/or Syk inhibition plays a role or caused by a malfunction of signal cascades connected with FAK. Pharmaceutical compns. containing I are claimed.

OS.CITING REF COUNT:	23	THERE ARE 23 CAPLUS RECORDS THAT CITE THIS RECORD (23 CITINGS)
REFERENCE COUNT:	9	THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

```
=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                     6.70     198.46

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -1.70      -1.70

STN INTERNATIONAL LOGOFF AT 10:32:57 ON 12 MAY 2010
```